OPERATING INSTRUCTIONS
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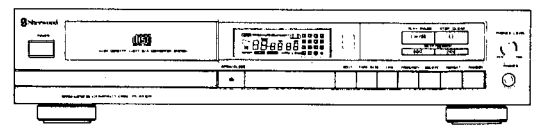


CD-2030C/3030R

Compact Disc Player
CD-Spieler

Sherwood

Unpacking and Installation

Congratulations on Your Purchase!

Your new high fidelity Compact Disc Player is designed to deliver maximum enjoyment and years of trouble free service. Please take a few moments to read this manual thoroughly. It will explain the features and operation of your Compact Disc Player and help a trouble free installation. Please unpack your Compact Disc Player carefully. We recommend that you save the carton and packing material. They will be helpful if you ever need to move your unit and may be required if you ever need to return it for service.

Your Compact Disc Player is designed to be placed in a horizontal position and it is important to allow at least two inches of space behind your unit for adequate ventilation and cabling convenience. To avoid early damage, never place the unit near radiators, in front of heating vents, in direct sun light, or in excessively humid or dusty location. Connect your complementary components as illustrated in the following section.

CLASS 1
LASER PRODUCT

CAUTION
Invisible laser radiation when open the unit.
Do not stare into beam.

CAUTION
RISK OF ELECTRIC SHOCK.
DO NOT OPEN.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK. DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

Caution: To prevent electric shock do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be inserted to prevent blade exposure.

Attention: Pour prévenir les choes électriques ne pas utiliser cetre fiche polarisée avec un prolongateur, une prise de courant ou une autre sortie de courant, sauf si les lames prérent étre insérées à fond sans en laisser aucune partie à découvert.

Read this Before Operating Your Unit

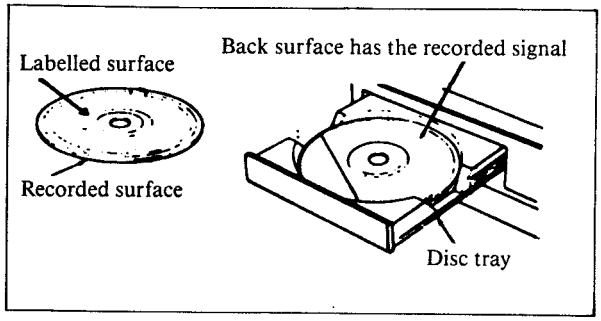
For Europe 220V/230V!

FOR YOUR SAFETY

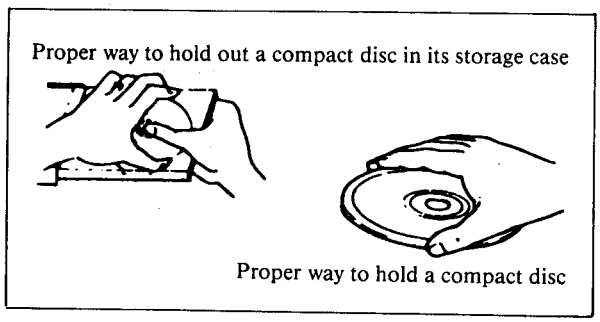
To ensure safe operation the three-pin plug supplied must be inserted only into a standard three-pin power point which is effectively earthed through the normal household wiring. Extension cords used with the equipment must be three-core and be correctly wired to provide connection to earth. Wrongly wired extension cords are a major cause of fatalities. The fact that the equipment operates satisfactorily does not imply that the power point is earthed and that the installation is completely safe. For your safety, if in any doubt about the effective earthing of the power point, consult a qualified electrician. Units shipped to Europe are designed for operation on 220V/230V AC only.

Concerning Compact Discs

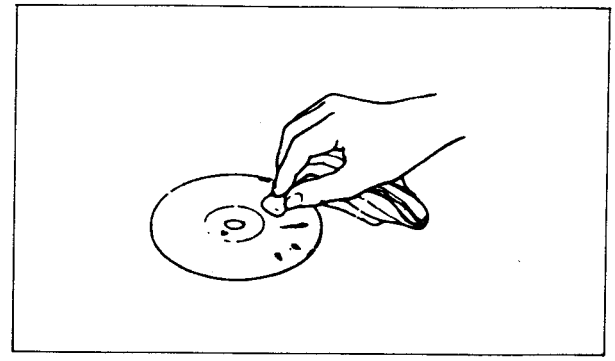
- You can also play 8cm CD or CD-single on the inside circle of the tray. Do not put a normal CD over it.
- Always place the compact disc in the disc tray with the labelled side up. (Compact discs can be played only on one side).



- To remove a disc from its storage case, press down on the center of the case and lift the disc out of a case, holding it carefully with edges.



- Fingermarks and dust should be carefully wiped off the disc's recorded surface with a soft cloth. Unlike conventional records, the compact disc has no grooves to collect dust and microscopic debris and so gently wiping with a soft cloth will remove most particles completely. Wipe straight from the inside to the outside of the disc. Small dust particles and light stains will have absolutely no effect on reproduction quality.
- Never use such chemicals as record sprays, antistatic sprays or fluid, benzine or thinner to clean compact discs. Such chemicals would damage the disc's plastic surface irreparably.



- Discs should be stored in their cases after play to avoid serious scratches that could cause the laser pickup to "skip".
- Don't expose discs to direct sunlight or high humidity and temperature for extended periods. Long exposure to high temperature can warp the disc.
- Don't stick paper or write anything with ball-point pen on the surface of the labelled side.

Installation

- This unit is composed of many sensitive ***objects***, laser pickup and LSI, etc. Therefore please avoid installing this unit under the following conditions.

1. On an inclined or unstable location.
2. In a closed vehicle or high temperature (over 100° F; 40°C).
3. Exposure for long time in direct sunlight.
4. In very humid locations.
5. In dusty or smoky locations.
6. In very low temperature (below 40° F; 5°C)
7. Near strong magnetic fields.

*** CAUTION**

1. In installing your own system, do not lay the player directly upon an amplifier under any circumstances because such an amplifier gives off excessive heat.
2. Avoid installing this unit near a tuner or a television. Because it uses high frequency signals, this unit may influence radio or television. If the above precaution can not be met, you may have to turn off the CD player when not in use.

Rear Panel Connections

For the whole system connections see the connecting diagram in the operating instruction manual of Sherwood compatible unit.

1. CONNECTION CORDS

You will have two leads from the COMPACT DISC PLAYER to connect to your system. One lead (WHITE) carries the LEFT channel signal and should be connected to the LEFT of CD input of the system. The other lead (RED) should be connected to the RIGHT of CD input of the system.

2. AC INPUT CORD

Plug this cord into the switched AC outlet on the back of your receiver or amplifier or a household AC outlet.

3. SYSTEM REMOTE CONTROL CORD (GREEN)

This cord is only useful if this unit is a part of Sherwood compatible remote controlled unit such as AX-3030R, RX-4030R or RV-5030R, etc.. Connect this cord to the DIGILINK jack of Sherwood amplifier or another equipment.

NOTE:
Do not connect this cord to the DECK PAUSE jack that is used only for Sherwood mechanical cassette deck.

Front Panel Controls

① POWER SWITCH

Press the POWER switch to turn on this CD player and press this again to turn it off. In system operation, plug the AC input cord into the switched AC outlet, keep the power switch ON and control power ON/OFF with the main power switch on your system.

② DISC TRAY

The disc is inserted in this tray with the labelled side up.

③ OPEN/CLOSE BUTTON (⏏)

This button is used for opening or closing the disc tray.

④ PLAY/PAUSE BUTTON (▶/⏸)

This button is used for starting play, holding play at the beginning of a track or interrupting play.

⑤ STOP/CLEAR BUTTON (■)

This button is used for stopping play, clearing programmed tracks or recovering the deleted tracks.

⑥ FORWARD SKIP/SEARCH BUTTON (⏭/▶▶)

This button is used for moving onto a next track or searching for a particular passage in fast forward.

⑦ BACKWARD SKIP/SEARCH BUTTON (|◀◀/◀◀)

This button is used for replaying from the beginning of the current track, returning to a previous track or searching for a particular passage in fast reverse.

⑧ REPEAT BUTTON

This button is used for repeating one track or all tracks.

⑨ PROGRAM/REVIEW BUTTON

This button is used for storing or reviewing the track numbers of a program.

⑩ EDIT BUTTON

This button is used for editing the tracks to be recorded onto the cassette tape.

⑪ TAPE SIZE BUTTON

This button is used for selecting the tape length.

⑫ DELETE BUTTON

This button is used for deleting the undesired tracks.

⑬ RANDOM PLAY BUTTON

This button is used for playing a disc at random.

⑭ TIME BUTTON

This button is used for checking the elapsed playing time from the beginning of current track or remaining playing time of current track, or remaining playing time of the disc.

⑮ HEADPHONE JACK

This JACK is used for listening with the headphone.

⑯ HEADPHONE VOLUME

This is used for the adjustment of the headphone level.

⑰ INFRARED RECEIVER WINDOW (ONLY FOR CD-3030R)

This receives the pulse code modulated (PCM) infrared signals transmitted by the remote control and converts it into the electrical signal to control the unit.

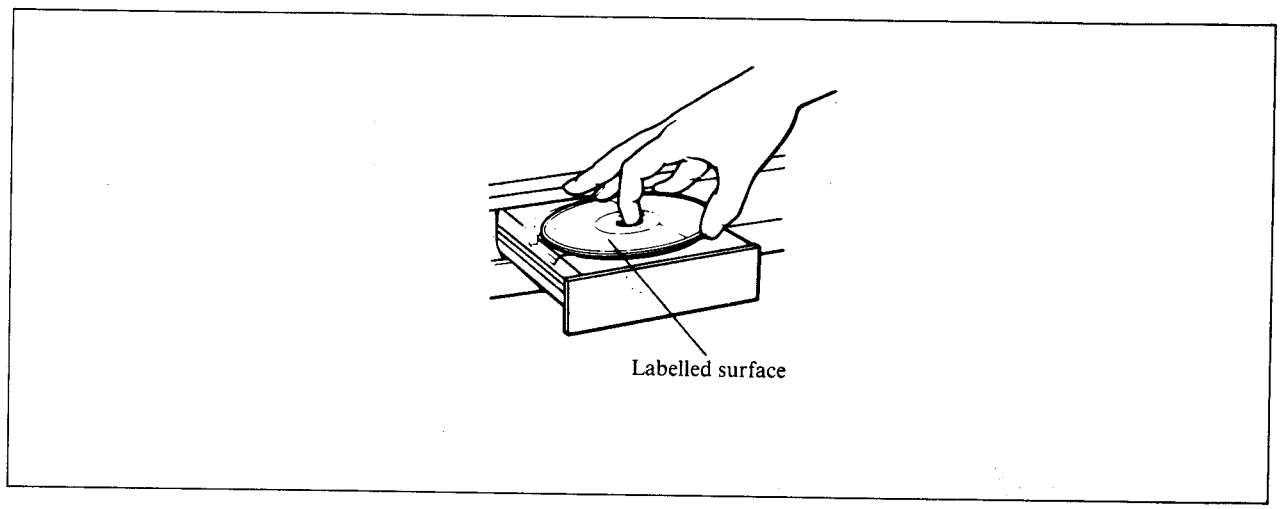
⑱ MULTI FUNCTION DISPLAY

This display shows the corresponding information according to each mode.

Operations

1. LOADING AND UNLOADING

- Press the OPEN/CLOSE button. The disc tray slides out automatically.
- Take care that the tray is not obstructed. If it is obstructed in opening, it will be closed after about five seconds. If it is obstructed in closing, it will be opened automatically after about five seconds.
- Load a disc with the labelled side up after the disc tray is opened completely.



- If you want to take a disc out of the tray, press the OPEN/CLOSE button.
- Hold a disc out of the tray in the same way as loading to avoid leaving fingerprints on the disc surface.
- After putting a disc into its storage case, close the disc tray by pressing the OPEN/CLOSE button or pushing the tray.

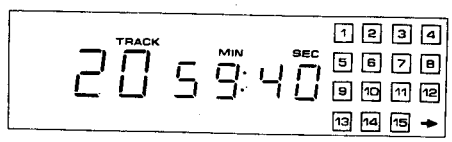
* CAUTION IN LOADING AND UNLOADING

- Do not tilt the unit while the disc tray is opening or closing because the disc could fall off.
- Do not insert any objects into the tray as it can damage the mechanism.
- Do not leave the disc tray open to prevent dirt and dust from entering the mechanism, when not in use .

2. NORMAL PLAY

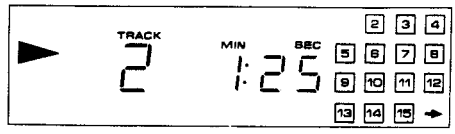
■ PLAYING A DISC

- Press the POWER switch.
- Open the disc tray, load a disc and close it.
- The display shows the total number of the tracks and the total playing time of the disc. And music calendar displays each number of tracks. When the total number of tracks is more than 15, ⇨ will appear next to 15 as indicated below.



STOP MODE

• Press the PLAY/PAUSE button. Then the play starts and the first track number and elapsed playing time from beginning of the first track and ▶ appears on the display.

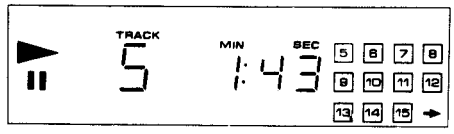


PLAY MODE

• After the last track has been played, the unit switches to the stop mode.

■ INTERRUPTING PLAY (PAUSE MODE)

• Press the PLAY/PAUSE button to temporarily interrupt play. The disc continues to spin but the sound stops, and ❚❚ appears on the display. To replay, press the PLAY/PAUSE button again.



PAUSE MODE

■ STOPPING PLAY (STOP MODE)

• Press the STOP/CLEAR button to stop play before the end of the disc is reached.

3. MUSIC SEARCH OPERATION

■ SKIP PLAY

■ SELECTING A NEXT TRACK IN PLAY MODE

• Press the FORWARD SKIP button (▶▶❙) to advance to the beginning of the next track.
• During normal, deleted, repeat all programmed or intro scan play, if the FORWARD SKIP button is pressed when playing the last track, the last track is skipped to the first track.

■ SELECTING A PREVIOUS TRACK IN PLAY MODE

• If a track is playing, press the BACKWARD SKIP button (❙◀◀) to return to the beginning of the track.
• Press the BACKWARD SKIP button before a track begins playing to move to the beginning of the previous track.
• During normal, deleted, repeat all programmed or intro scan play, if the BACKWARD SKIP button is pressed at the beginning of the first track, the first track is skipped to the last track.
• During random play, the BACKWARD SKIP button can be pressed only to return to the beginning of a track.

■ BEGINNING AT A SPECIFIC TRACK IN STOP MODE

1. Repeatedly press the FORWARD or BACKWARD SKIP button (▶▶❙/❙◀◀) until the desired track number appears on the display.

2. Press the PLAY/PAUSE button.

■ SEARCHING A SPECIFIC PASSAGE IN PLAY MODE

- Press and hold down the FORWARD or BACKWARD SEARCH button (▶▶/◀◀). The sound level is decreased by 1/4 (12dB) compared with the normal level.
- Release the button when the desired point has been reached.
- If the CD player reaches the end of the last track during forward search, the unit switches to the stop mode.
- If the CD player reaches the beginning of the first track during backward search, play restarts at this point.

4. REPEAT PLAY

■ REPEAT ALL TRACKS

- Press the REPEAT button before or during play.
- REPEAT ALL appears on the display and all tracks of the CD will be repeated.
- If the CD player reaches the end of the last track during forward search, the unit goes back to the beginning of the first track and continues to search forward.

■ REPEAT ONE TRACK

- After selecting a desired track with the FORWARD or BACKWARD SKIP button, press the REPEAT button twice before or during play.
- REPEAT 1 appears on the display and the selected track will be repeated.
- If the REPEAT button is pressed once again in this mode, repeat play mode is canceled.

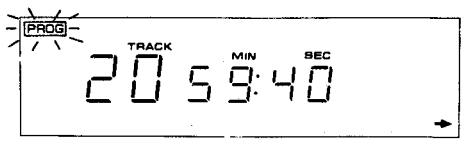
5. PROGRAMMED PLAY

You can program up to 20 tracks to play in any sequence you choose.
If you exceed 20 tracks, the "Full" sign appears to remind you that the memory is full and cannot accept any more tracks.

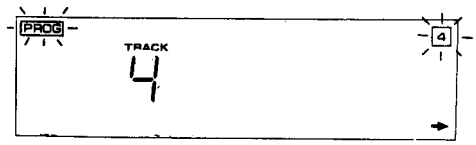
■ PROGRAMMING

Example: When you wish to program the tracks 4, 17 and 8, the programming procedure is as follows.

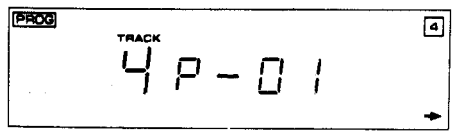
1. In the stop mode, press the PROGRAM/REVIEW button.



2. Select the desired track with the FORWARD or BACKWARD SKIP button.

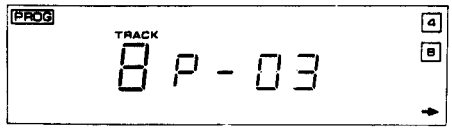


3. Press the PROGRAM/REVIEW button.



After about 1 second

4. Repeat steps 2 and 3 to complete programming.



After about 1 second

5. Press the PLAY/PAUSE button.

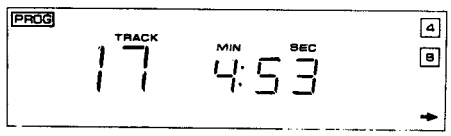
- After the last programmed track has been played, the last programmed track number and the total playing time of the programmed tracks are shown on the display.
- If the FORWARD SKIP button is pressed when playing the last programmed track, the "End" sign appears on the display and the last track continues to be played.

■ RECTIFYING ANY WRONG PROGRAMMED TRACK

- When you made a mistake and programmed any wrong track, you can rectify as follows.

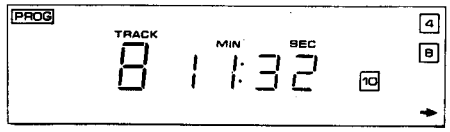
Example: When you took a mistake and stored track 17 instead of track 10.

1. Find track 17 with the PROGRAM/REVIEW button.



2. Select track 10 with the FORWARD or BACKWARD SKIP button.

3. Press the PROGRAM/REVIEW button.



■ CHECKING THE CONTENTS OF THE PROGRAM

You can check the contents of the program during programming or after completion of programming.

- Each time the PROGRAM/REVIEW button is pressed, the programmed track will appear in the programmed sequence.

■ CLEARING THE PROGRAMMED TRACKS

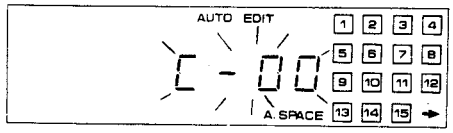
- Each time the STOP/CLEAR button is pressed during programming or after completion of programming, the programmed tracks are cleared one by one in the opposite sequence.
- If you wish to clear a specific track, find that track with the PROGRAM/REVIEW button and clear with the STOP/CLEAR button.
- By pressing the OPEN/CLOSE or STOP/CLEAR button over 4 seconds in the stop mode, all programmed tracks will be cleared.

6. EDIT FOR RECORDING

You can edit up to 20 tracks to be recorded according to the tape length.

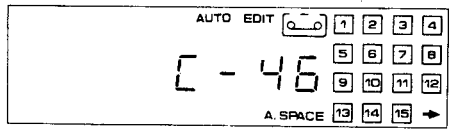
A. AUTO EDIT

1. In the stop mode, press the EDIT button.



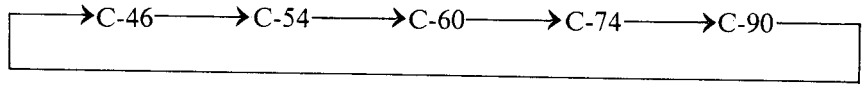
2. a. Select the desired tape length with the TAPE SIZE button.

   Example: When the desired tape length is 46 minutes.



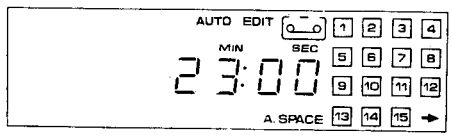
After about 2 seconds

- Each time the TAPE SIZE button is pressed, the tape length display changes as follows.

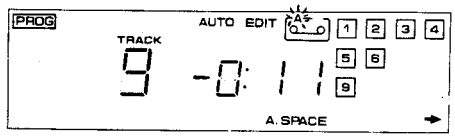


   b. Select the desired tape length at your option with the NUMERIC buttons on the remote control.

   Example: When the desired tape length of each side is 23 minutes, press 2, 3, 0 and 0 to enter "23:00".

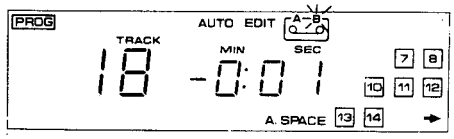


3. Press the EDIT button to automatically edit the tracks to be recorded.



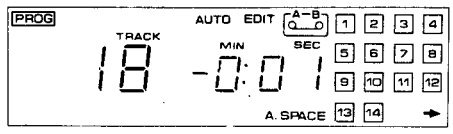
The tracks and remaining time of the side A appear.

After about 2 seconds



The tracks and remaining time of the side B appear.

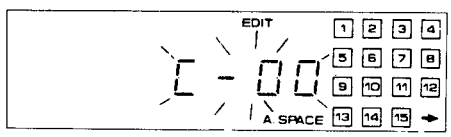
After about 2 seconds



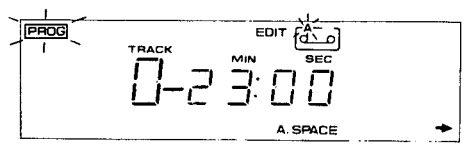
Auto eidt is completed.

B. MANUAL EDIT

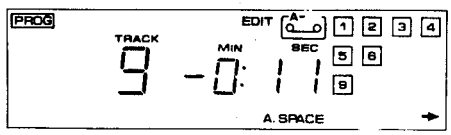
1. In the stop mode, press the EDIT button twice.



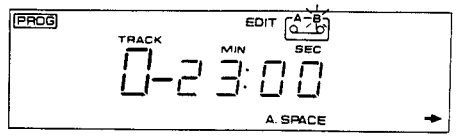
2. Select the desired tape length like the auto edit.
3. Press the PROGRAM/REVIEW button to manually edit the tracks to be recorded.



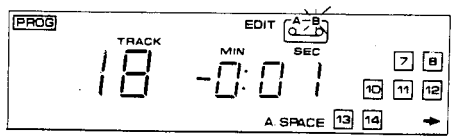
4. Select and program the tracks to be edited like programming for the side A.
   Example: When the tracks 1,2,3,4,5,6 and 9 are edited for the side A.



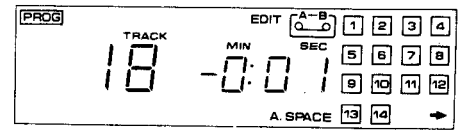
5. After edting the tracks of the side A, press the EDIT button.



6. Select and program the tracks to be edited like programming for the side B.
   Example: When the tracks 7,8,10,11,12,13,14 and 18 are edited for the side B.



After a few seconds



- If the PLAY/PAUSE button is pressed after editing the tracks, play starts from the first track of the side A for recording.
- If all tracks of the side A have been played, the unit switches to the pause mode.
- If the PLAY/PAUSE button is pressed, play starts from the first track of the side B for recording.

NOTE:

1. In the edit mode, the auto space function, leaving the spaces of 4 seconds between the tracks, is automatically activated.
2. In the edit mode, repeat and random play, etc. are not operative.
3. When checking, clearing or rectifying the tracks, do like programming.
4. During manual edit, if the "–" sign on the time display disappears, it means that the total time of the edited tracks is greater than the selected tape length.
   So edit the tracks again lest the total time of the edited tracks should exceed the tape length.

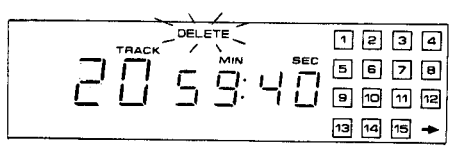
7. DELETED PLAY

When there are the undesired tracks on a CD, you can delete up to 20 tracks like programming.

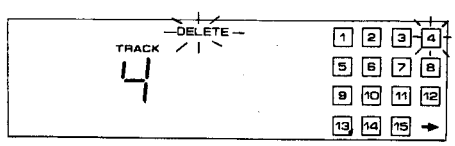
■ DELETING

Example: When you wish to delete the tracks 4, 8 and 17, the deleting procedure is as follows.

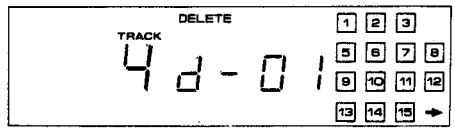
1. In the stop mode, press the DELETE button.



2. Select the undesired track with the FORWARD or BACKWARD SKIP button.



3. Press the DELETE button.



After about 1 seocond

4. Repeat steps 2 and 3 to compete deleting.

5. Press the PLAY/PAUSE button.

■ CHECKING THE DELETED TRACKS

You can check the deleted tracks during deleting or after completion of deleting.

- Each time the DELETE button is pressed, the deleted tracks will appear in the deleted sequence.

■ RECOVERING THE DELETED TRACKS

- Each time the STOP/CLEAR button is pressed during deleting or within 4 seconds after completion of deleting, the deleted tracks are recovered one by one in the opposite sequence.
- If you wish to recover a specific track, find that track with the DELETE button and recover with the STOP/CLEAR button.
- By pressing the OPEN/CLOSE or STOP/CLEAR button over 4 seconds in the stop mode, all deleted tracks will be recovered.

8. RANDOM PLAY

In this mode, CD player plays the tracks on the CD in random sequence.

- Press the RANDOM PLAY button. The unit automatically select and play tracks at random.

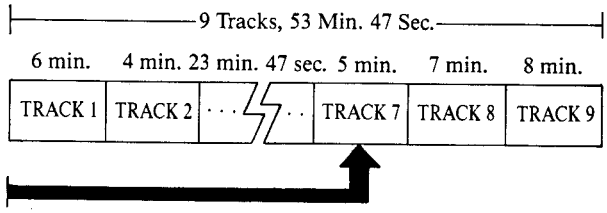
After a few seconds

- If the RANDOM PLAY button is pressed during random play, random play is canceled and normal play starts at the present track.
- During random play, repeat one track play is not operative.

9. TIME DISPLAY SELECTION

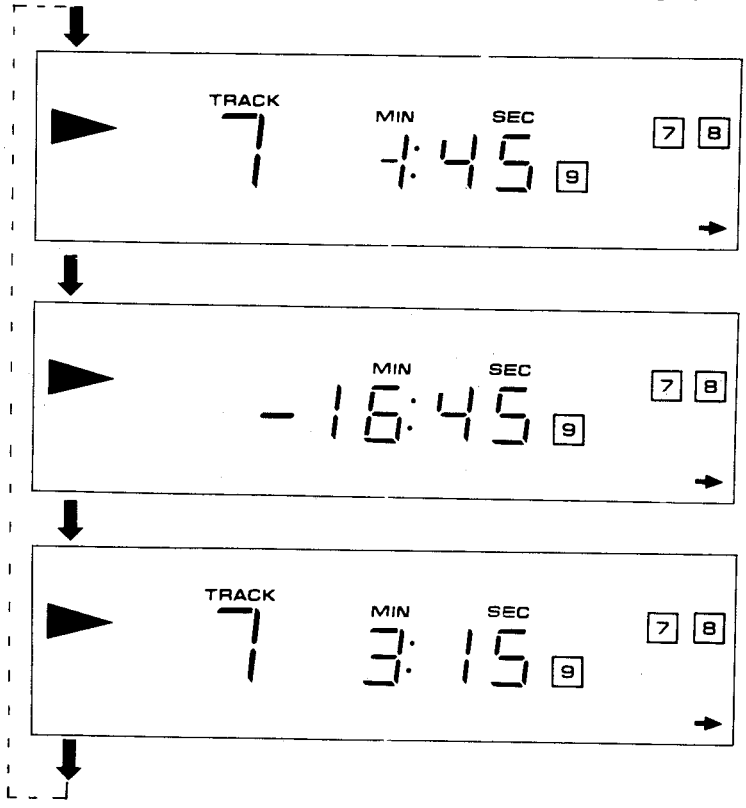
This unit has three different time display modes.

Example: When a disc of 53 min. 47 sec. is playing at the point of 3 min. 15 sec. after the beginning of track 7.



3 Min. 15 Sec. Point of Track 7

• Each time the TIME button is pressed, the time display changes as follows.



The track number and remaining playing time of the current track appear.

The remaining playing time of the disc appears.

The track number and elapsed playing time from beginning of the current track appear.

NOTE:

1. When a track of which number is greater than 30 is programmed, edited, deleted or being played, the time display may show "--:--".
2. During random play or when the total playing time is more than 99 min., the time display may show "--:--".

Remote Controls

1. DIGI LINK SYSTEM REMOTE CONTROL

This CD player can be remotely controlled with Sherwood compatible units such as AX-3030R, RX-2030R, RX-4030R, RV-5030R, RV-6030R, etc.

- For available control functions, refer to compatible units manual.
  To listen to the sound of CD by digilink system remote control, make sure of connecting a system remote control cord to the DIGILINK jack of Sherwood compatible unit.

2. SELF REMOTE CONTROL (OPTION)

① NUMERIC BUTTONS (0~9)

- If you press the number that corresponds to your desired track with the NUMERIC buttons, the unit plays that track immediately without the PLAY/PAUSE button.
- To select two digit track number, the second digit must be pressed within about 2 sec. after the first digit has been pressed.
- During programming or deleting, etc., if you select the desired or undesired track with the NUMERIC buttons, that track is programmed or deleted without the PROGRAM/REVIEW or DELETE button.
- During program play, If you want normal play, select the desired track with the NUMERIC buttons, then normal play starts from that track.
- If you want program play again, press the PROGRAM/REVIEW button in the stop mode, then the unit switches to the program mode.

② INTRO SCAN BUTTON

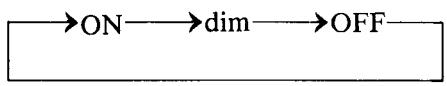
- If the INTRO SCAN button is pressed, INTRO appears on the display and the CD player plays the first 10 seconds of each track.
- If you want to cancel the intro scan play, press the STOP/CLEAR or INTRO SCAN button.

③ REPEAT A⟵⟶B BUTTON

- During play, press this button at the beginning of the passage you want, then REPEAT A⟵⟶ appears on the display.
- Press this button at the end of the passage again, then A⟵⟶B appears on the display and the specific passage is being played repeatedly.
- If you want to cancel repeat A⟵⟶B play, press the REPEAT A⟵⟶B or STOP/CLEAR button.

④ DISPLAY BUTTON

- Each time the DISPLAY button is pressed, the brightness of the display changes as follows.

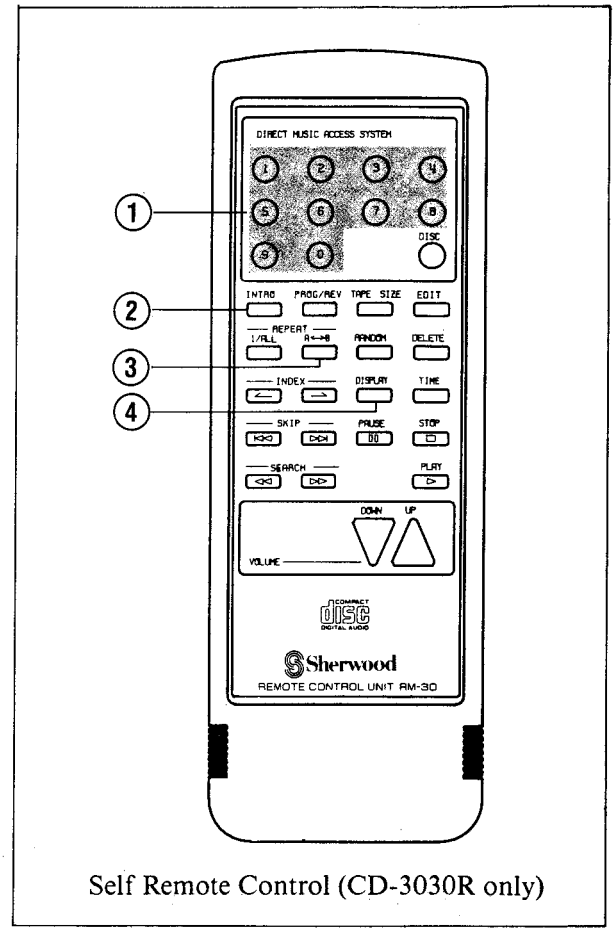


- In the display OFF mode, if any button is pressed, the unit switches to the display ON mode.

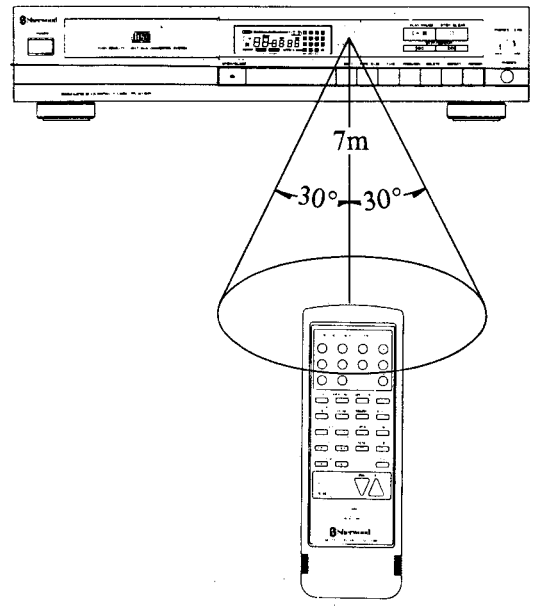
- PROGRAM/REVIEW, TAPE SIZE, EDIT, REPEAT (1/ALL), RANDOM PLAY, DELETE, TIME, BACKWARD SKIP (⏮), FORWARD SKIP (⏭), BACKWARD SEARCH (◀◀), FORWARD SEARCH (▶▶), PAUSE (⏸), STOP/CLEAR (■) and PLAY (▶) BUTTONS.
  These buttons have the same functions as those on the CD player.

NOTE:
This remote control is used for many Sherwood CD players. So, some features on remote are not available for this model.

- DISC, INDEX SEARCH (←and→) and VOLUME (DOWN and UP) BUTTONS are not available for CD-3030R.



Self Remote Control (CD-3030R only)



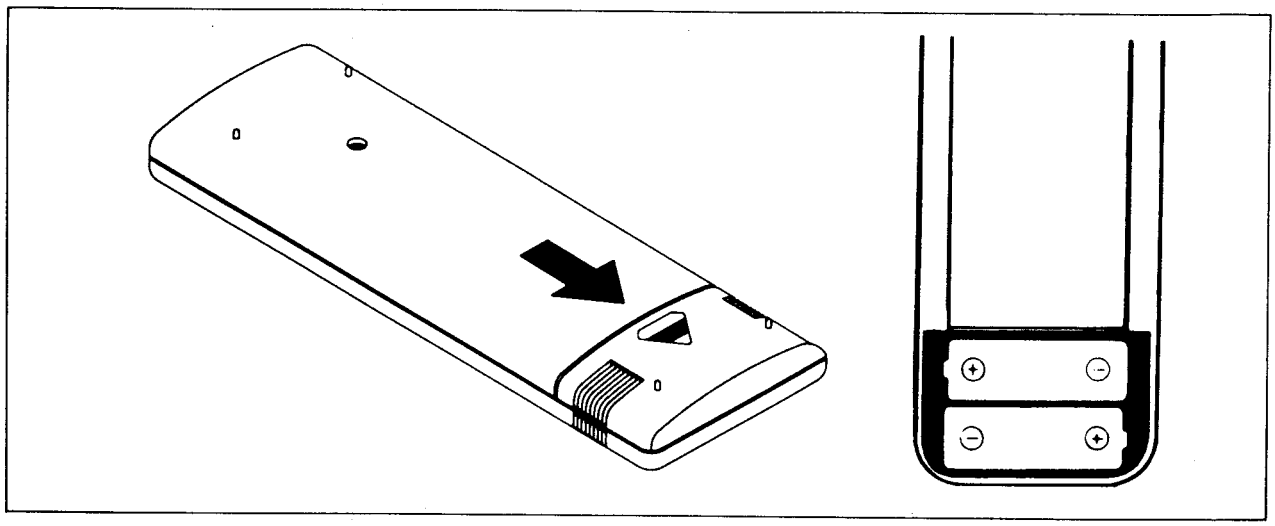
Remote Control Operation Range (CD-3030R only)

CONCERNING USE OF BATTERIES

- Open the cover by sliding it as shown.
- Insert two size "AA" (R6) batteries, matching the polarity and close it.

NOTE:

1. Replace them with two new batteries when the remote control does not operate the unit.
2. Remove the batteries if it is not to be used for an extended period of time.
3. Do not use rechargeable batteries (Ni-Cd type).



Troubleshooting Guide

Although the greatest care has been taken in the manufacture of this COMPACT DISC player, the possibility remains that a fault could appear or that for some reasons the player could fail to function to your complete satisfaction.
The cause, however, will not always be found in the player itself. External factors, and the fact that it takes time to become accustomed to the whole concept of the new product and the new discs, can also play a role.
To save your unnecessary calls on your dealer or our Service Organization, we have compiled a list of possible faults and their causes. To even mention some of these causes, such as those to do with power connection, may perhaps seem excessive. Our experience shows, however, that they are easily overlooked as sources of troubles.
If, by using this list, you do not succeed in solving the problem, stop your investigation. Disconnect the AC cord and contact your dealer.
Under no circumstances should you open up the player. If you should, this will invalidate all your rights under the guarantee.

NOTE: If the faults relating to the power or the connections arise when the player is a part of a system, check your operating instructions for the amplifier of the system.

1. After pressing the POWER switch,the display is not on.

- The POWER switch is not pressed completely.
- One of the plugs of the AC input cord is not connected or is not making contact.
- There is no supply at the AC outlet. Plug in another electrical appliance and check if that works.

2. After pressing the OPEN/CLOSE button, the disc tray does not slide out or in.

- The player is not switched on. Press the POWER switch again.
- The microprocessor has not received the command properly. Press the OPEN/CLOSE button once more.
- The tray drive is not functioning. You cannot repair it yourself.

3. Disc is inserted but the number of tracks and playing time are not displayed.

- The disc is not inserted with the labelled side up.
- The disc is dirty. See if cleaning the disc, or using another clean disc clears the fault.
- The disc is defective. Try another disc and see if that clears the fault.
- There is an unwanted object such as a piece of paper or a remnant of package in the disc tray.

4. The disc is played and the track number and the elapsed time indication function well, but there is no sound.

- The amplifier is not turned on.
- The position of the amplifier source selector switch does not correspond with the input to which the player is connected.
- The amplifier or the speakers connected to it are not working. Check it with another sound source to see if this is the case.
- The microprocessor has not received the command correctly. Try to turn the player off and on again, and then restarting clears the fault.
- The player is not connected to amplifier correctly.
- The input to which the player is connected is defective. Check it by connecting the player to another input jack.

5. The sound is poor or distorted or you can hear only one channel.

- The player is not connected to the CD input of the amplifier but to the PHONO input.
- One of the plugs of the connection cords is either not connected or not properly connected.
- The amplifier or the speakers connected to it are not working properly. Check it with another sound source to see if this is the case.

6. Programming is not working.

- The disc is dirty or badly scratched. See if cleaning the disc or try to program with a scratch-free disc.
- The microprocessor has not processed the commands properly. Clear the program by pressing the OPEN/CLOSE button and try to program again and restart play and check if the fault is cleared.
- All 20 memory places were already occupied and you missed the "Full" sign that indicated it. Check it by with the PROGRAM/REVIEW button.

Specifications

☐ TYPICAL AUDIO PERFORMANCES

Number of Channels	2
Frequency Range	20~20,000 Hz ± 1 dB
Signal To Noise RATIO	More than 100 dB
Dynamic Range	More than 93 dB
Total Harmonic Distortion	Less than 0.008% at 1 KHz
Wow and Flutter	Quartz crystal precision
Audio Output Level	1.9 Volts RMS

☐ OPTICAL READOUT SYSTEM

LASER	Semiconductor AlGaAs
Wave Length	760 – 800 nm
Numerical Aperture	0.45

☐ SIGNAL FORMAT

Sampling Frequency	44.1 KHz
D/A Conversion	1 bit Twin
Oversampling	8 times

☐ GENERAL

Power Supply Voltage	See type plate at the rear or the player
Power Consumption	MAX. 12W
Dimension (W×H×D)	440×80×245 mm
Weight	3.65 Kg

☐ DISC

Diameter	120 mm/80 mm
Thickness	1.2 mm
Rotation Speed	500 – 200 rpm
Playing Time (Theoretical)	74 min. (stereo)
Track Pitch	1.6 μm
Material	Plastic

Note: Specifications and design subject to change without notice for improvements.